**(54) POLLING SELECTING SYSTEM**
(11) 1-300643 (A)   (43) 5.12.1989   (19) JP
(21) Appl. No. 63-130191 (22) 30.5.1988
(71) NEC CORP   (72) SAWAKO TAKATSUKA
(51) Int. Cl⁴. H04L11/00

PURPOSE: To make the data collection of a master station efficient by applying polling to plural slave stations desiring to collect information at once by a master station, storing the transmission request order from the master station by a slave station, monitoring a carrier detection signal in a data line and sending a data sequentially and sending the data sequentially based on the transmission request order as soon as a carrier detection signal is reset.

CONSTITUTION: A master station 100 sends a polling signal in the lump to all slave stations $200_1 \sim 200_N$ belonging to a group GRP1 from which the information is desired to be collected. In this case, the slave stations $200_1 \sim 200_N$ of the group GRP1 connecting to the transmission line store the order of the transmission request from the master station 100, that is, #2, #N and #1. A carrier detection signal CD in a control section CTL on the data frame is always monitored and the slave stations $200_1 \sim 200_N$ belonging to the GRP1 send a data in the transmission request order to be stored form the master station 1 is sent as soon as the reset of the carrier detection signal CD is received. Thus, the master station call collect the data from the slave station with high efficiency.
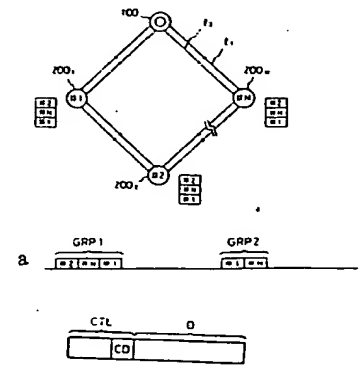
l1,l2: data transmission line, a: polling signal

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(54) COMMUNICATION SYSTEM
(11) 1-300644 (A)   (43) 5.12.1989   (19) JP
(21) Appl. No. 63-130019 (22) 27.5.1988
(71) TOSHIBA CORP (72) EMI KOZONO
(51) Int. Cl⁴. H04L11/08

PURPOSE: To easily store a data relating to a connection time by measuring a connection time by normal call connection.

CONSTITUTION: A digital exchange 2 is connected to a digital system network 1 in an ISDN communication system and a terminal equipment 3 corresponding to the ISDN is connected to the exchange 2. The information relating to the call time at the calling is included in a call request signal and sent to the incoming side, while the information relating to the call time is decoded from a call request signal sent from the caller side at the incoming of call and the information relating to the arrival reaching the incoming side of the call request signal is held and the difference between the call time and the arrival time is calculated from the information. Thus, the connection time is measured by the normal call connection without making a simulated call by using a simulating call test equipment. Thus, the data relating to the connection time is easily stored.

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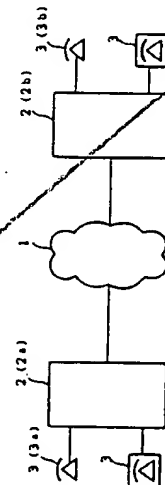
(54) NETWORK CONSTITUTION IDENTIFICATION SYSTEM
(11) 1-300645 (A)   (43) 5.12.1989   (19) JP
(21) Appl. No. 63-130246 (22) 30.5.1988
(71) FUJITSU LTD (72) TAKESHI ASAHINA
(51) Int. Cl⁴. H04L11/08,H04L13/00

PURPOSE: To eliminate the need for the registration of network constitution by manual operation by allowing a monitor to collect automatically the network information through the data communication with each MODEM.

CONSTITUTION: A command received in order is added with addresses of communication lines and of MODEM itself up to a MODEM 8 at the end of a network by a command from a monitor 10 to generate new command information clarifying the network constitution. Then the information is returned from the MODEM 8 at the end of network to the monitor 10 thereby allowing the monitor 10 to grasp the constitution of the network automatically. Thus, it is not required to register the network constitution by manual operation.